

Terluran® HI-12

Acrylonitrile Butadiene Styrene
INEOS Styrolution Group GmbH

Message:

Terluran HI-12 is an injection molding grade of ABS with a very high toughness and easy flow.

General Information			
UL YellowCard	E108538-462240		
Features	Good Flow		
	Ultra High Toughness		
Uses	Appliances		
	Electrical/Electronic Applications		
	Safety Helmets		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Volume-Flow Rate (MVR)	14.0	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness	101		ISO 2039-2
Ball Indentation Hardness	80.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1900	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	40.0	MPa	ISO 527-2
Tensile Strain (Yield, 23°C)	2.7	%	ISO 527-2
Flexural Stress	58.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	11	kJ/m ²	
23°C	30	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-30°C	160	kJ/m ²	
23°C	No Break		
Notched Izod Impact			
23°C	35	J/m	ASTM D256
-30°C	11	kJ/m ²	ISO 180/A
23°C	31	kJ/m ²	ISO 180/A

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